Contents

No. 1 (August 1991)

Special feature. The Epidemiology and Control of Rubella Virus Infection

Sir Norman McAlister Gregg: a tribute
Banatvala, J. E. i

Congenital cataract following German measles in the mother
McAlister Gregg, N. (reproduced with permission from the Transactions of the Ophthalmological Society of Australia) iii

Laboratory diagnosis of rubella: past, present and future
Cradock-Watson, J. E. 1

Rubella vaccines: past, present and future
Best, J. M. 17

Rubella in the United Kingdom
Miller, E. 31

Rubella in Europe
Galazka, A. 43

Rubella in the United States: toward a strategy for disease control and elimination
Herrmann, K. L. 55

Rubella in the developing world
Miller, C. L. 63

Civil war and the spread of AIDS in Central Africa
Smallman-Raynor, M. R. and Cliff, A. D. 69

A large outbreak of gastroenteritis associated with a small round structured virus among schoolchildren and teachers in Japan
Kobayashi, S., Morishita, T., Yamashita, T., Sakae, K., Nishio, O., Miyake, T., Ishihara, Y. and Isomura, S. 81

Bluetongue in the Sultanate of Oman, a preliminary epidemiological study
Taylor, W. P., Al Busaidy, S. M. and Mellor, P. S. 87

Transmission of *Helicobacter* spp. A challenge to the dogma of faecal-oral spread
Lee, A., Fox, J. G., Otto, G., Hegedus Dick, E. and Krakowka, S. 99

The occurrence of *Listeria* species in pâté: the Cardiff experience 1989
Morris, I. J. and Ribeiro, C. D. 111

A longitudinal study of natural infection of piglets with *Streptococcus suis* types 1 and 2
Robertson, I. D., Blackmore, D. K., Hampson, D. J. and Fu, Z. F. 119

Incrimination of an environmental source of a case of Legionnaires' disease by pyrolysis mass spectrometry
Sisson, P. R., Freeman, R., Lightfoot, N. F. and Richardson, I. R. 127

An outbreak of Legionnaires' disease in Gloucester
Hunt, D. A., Cartwright, K. A. V., Smith, M. C., Middleton, J., Bartlett, C. L. R., Lee, J. V., Dennis, P. J. and Harper, D. 133

Antigens recognized by the human immune response to severe leptospirosis in Barbados
Chapman, A. J., Everard, C. O. R., Faine, S. and Adler, B. 143

Physical protection against airborne pathogens and pollutants by a novel animal isolator in a level 3 containment laboratory
Wathes, C. M. and Johnson, H. E. 157

Mannose-resistant adhesion of motile *Aeromonas* to INT407 cells and the differences among isolates from humans, food and water
Nishikawa, Y., Kimura, T. and Kishi, T. 171

Cockroaches (*Blattella germanica*) as carriers of microorganisms of medical importance in hospitals
Fotedar, R., Banerjee Shriniwas, U. and Verma, A. 181

Ten and a half years seroepidemiology of *Mycoplasma pneumoniae* infection in Denmark
Lind, K. and Bentzon, M. W. 189
The prevalence of *Salmonella enteritidis* and other *Salmonella* spp. among Canadian registered commercial chicken broiler flocks
Poppe, C., Irwin, R. J., Messier, S., Finley, G. G. and Oggel, J. 201
Gentamicin-resistant *Salmonella typhimurium* phage type 204c: molecular studies and strain diversity in a putative bovine outbreak
Platt, D. J. and Smith, I. 213
Genetic diversity among toxigenic and nontoxigenic *Vibrio cholerae* O1 isolated from the Western Hemisphere
Chen, F., Evins, G. M., Cook, W. L., Almeida, R., Hargrett-Bean, N. and Wachsmuth, K. 225
The isolation of *Listeria* species from fresh-water sites in Cheshire and North Wales
Frances, N., Hornby, H. and Hunter, P. R. 235
Book review 239
Notes for Contributors

No. 2 (October 1991)

Special Article. Epidemiology and infection in famine and disasters
Shears, P. 241
Characterization of *Neisseria meningitidis* isolates by ribosomal RNA gene restriction patterns and restriction endonuclease digestion of chromosomal DNA
Jordens, J. Z. and Pennington, T. H. 253
A numerical analysis of ribosomal RNA gene patterns for typing clinical isolates of *Corynebacterium* group D2
Soto, A., Pitcher, D. G. and Soriano, F. 263
HSP 90, yeasts and *Corynebacterium jeikeium*
Matthews, R. C. 273
Application and evaluation of enzyme-linked immunosorbent assay and immunoblotting for detection of antibodies to *Treponema hyodysenteriae* in swine
Smith, S. C., Barrett, L. M., Muir, T., Christopher, W. L. and Coloe, P. J. 285
Antigenic and genetic homogeneity of *Streptococcus uberis* strains from the bovine udder
Groschup, M. H., Hahn, G. and Timoney, J. F. 297
The use of the PhP-KE biochemical fingerprinting system in epidemiological studies of faecal *Enterobacter cloacae* strains from infants in Swedish neonatal wards
Kühn, I., Tullus, K. and Burman, L. G. 311
Molecular epidemiology of plasmid patterns in *Shigella flexneri* types 1–6
Gebre-Yohannes, A. and Drasar, B. S. 321
The social and economic impact of salmonellosis
Sockett, P. N. and Roberts, J. A. 335
The serological relationship between *Yersinia enterocolitica* O9 and *Escherichia coli* O157 using sera from patients with yersiniosis and haemolytic uraemic syndrome
Chart, H., Cheasty, T., Cope, D., Gross, R. J. and Rowe, B. 349
Cockroaches (*Blatta* and *Periplaneta* species) as reservoirs of drug-resistant salmonellas
Devi, S. J. N. and Murray, C. J. 357
Jackdaws and magpies as vectors of milkborne human campylobacter infection
Hudson, S. J., Lightfoot, N. F., Coulson, J. C., Russell, K., Sisson, P. R. and Sobo, A. O. 363
An outbreak of pneumonia and meningitis caused by a previously undescribed Gram-negative bacterium in a hot spring spa
Hubert, B., de Mahenge, A., Grimont, F., Richard, C., Peloux, Y., de Mahenge, C., Fleurette, J. and Grimont, P. A. D. 373
Morphometrical parameters of gut microflora in human volunteers
Meijer, B. C., Kootstra, G. J. and Wilkinson, M. H. F. 383

Development of standardized inspections in restaurants using visual assessments and microbiological sampling to quantify the risks
Tebbutt, G. M. 395
A dot-block hybridization procedure for the detection of astrovirus in stool samples
Willcocks, M. M., Carter, M. J., Silcock, J. G. and Madeley, C. R. 405
Relationship between cytomegalovirus and colonization of the oropharynx by Gram-negative bacilli following renal transplantation
Mackowiak, P. A., Goggans, M., Torres, W., Dal Nogare, A., Luby, J. P. and Helderman, H. 411
Prevalence of cytomegalovirus infection in Italy
de Mattia, D., Stroffolini, T., Arista, S., Pistoia, D., Giammanco, A., Maggio, M., Chiaramonte, M., Moschen, M. E., Mura, I., Rigo, G. and Scarpa, B. 421
A serosurvey for HTLV-I among high-risk populations and normal adults in Egypt
Constantine, N. T., Fathi Sheba, M., Corwin, A. L., Danahy, R. S., Callahan, J. D. and Watts, D. M. 429
Seroepidemiology of arboviruses among seabirds and island residents of the Great Barrier Reef and Coral Sea
Humphery-Smith, I., Cybinski, D. H., Byrnes, K. A. and St George, T. D. 435
A mathematical model of rinderpest infection in cattle populations
Tillé, A., Lefèvre, CL., Pastoret, P.-P. and Thiry, E. 441
The dynamics of microfilaraemia and its relation with development of disease in periodic *Brugia malayi* infection in South India
Sabesan, S., Krishnamoorthy, K., Panicker, K. N. and Vanamail, P. 453
Book reviews 465
Notes for Contributors

No. 3 (December 1991)

Special Article. Statistical methods applied in microbiology and epidemiology
Tillett, H. G. and Carpenter, R. G. 467
Bacteriological quality of potable water sources supplying Morogoro municipality and its outskirts: a case study in Tanzania
Jiwa, S. F. H., Mugula, J. K. and Msangi, M. J. 479
An outbreak of waterborne cryptosporidiosis in Swindon and Oxfordshire
Richardson, A. J., Frankenberg, R. A., Buck, A. C., Selkon, J. B., Colbourne, J. S., Parsons, J. W. and Mayon-White, R. T. 485
An outbreak of *cryptosporidiosis* associated with a swimming pool
Joce, R. E., Bruce, J., Kiely, D., Noah, N. D., Dempster, W. B., Stalker, R., Gumsley, P., Chapman, P. A., Norman, P., Watkins, J., Smith, H. V., Price, T. J. and Watts, D. 497
Cryptosporidiosis in the Isle of Thanet: an outbreak associated with local drinking water
Joseph, C., Hamilton, G., O'Connor, M., Nicholas, S., Marshall, R., Stanwell-Smith, R., Sims, R., Ndawula, E., Casemore, D., Gallagher, P. and Harnett, P. 509
The epidemiology of salmonella in calves: the role of markets and vehicles
Wray, C., Todd, N., McLaren, I. M. and Beedell, Y. E. 521
Evaluating the sensitivity and predictive value of tests of recent infection: toxoplasmosis in prengnancy
Ades, A. E. 527
The population structure and transmission of *Escherichia coli* in an isolated human community: studies on an Antarctic base
Tzabar, Y. and Pennington, T. H. 537
Genotypic and phenotypic analysis of *Streptococcus uberis* isolated from bovine mammary secretions
Jayarao, B. M., Oliver, S. P., Tagg, J. R. and Matthews, K. R. 543
Phage typing of *Staphylococcus saprophyticus*
Torres Pereira, A. and Melo Cristino, J. A. G. 557

rDNA fingerprinting as a tool in epidemiological analysis of *Salmonella typhi* infections
Nastasi, A., Mammina, C. and Villafrate, M. R. 565
Sudden unexplained death syndrome – a new manifestation in melioidosis?
Yap, E. H., Chan, Y. C., Goh, K. T., Chao, T. C., Heng, B. H., Thong, T. W., Tan, H. C., Thong, K. T., Jacob, E. and Singh, M. 577
Changing trends of gonococcal infection in homosexual men in Edinburgh
Ross, J. D. C., McMillan, A. and Young, H. 585
Control of endemic nosocomial Legionnaires' disease by using sterile potable water for high risk patients
Marrie, T. J., Haldane, D., Macdonald, S., Clarke, K., Fanning, C., Le Fort-Jost, S., Bezanson, G. and Joly, J. 591
Differentiation of strains of *Helicobacter pylori* by numerical analysis of 1-D SDS-PAGE protein patterns: Evidence of post-treatment recrudescence
Costas, M., Morgan, D. D., Owen, R. J. and Morgan, D. R. 607
Study of colonization resistance for Enterobacteriaceae in man by experimental contamination and biotyping as well as the possible role of antibodies in the clearance of these bacteria from the intestines
Apperloo-Renkema, H. Z. and Van Der Waaij, D. 609
Relapse versus reinfection with *Clostridium difficile*
O'Neill, G. L., Beaman, M. H. and Riley, T. V. 627
Characterization of a protective protein antigen of *Erysipelothrix rhusiopathiae*
Groschup, M. H., Cussler, K., Weiss, R. and Timoney, J. F. 637
A serologically confirmed case-control study, of a large outbreak of hepatitis A in China, associated with consumption of clams
Tang, Y. W., Wang, J. X., Xu, Z. Y., Guo, Y. F., Qian, W. H. and Xu, J. X. 651
Gastrointestinal carriage of *Clostridium difficile* in cats and dogs attending veterinary clinics
Riley, T. V., Adams, J. E., O'Neill, G. L. and Bowman, R. A. 659
Heterosexual and homosexual transmission of hepatitis C virus: relation with hepatitis B virus and human immunodeficiency virus type 1
Corona, R., Prignano, G., Mele, A., Gentili, G., Caprilli, F., Franco, E., Ferrigno, L., Giglio, A., Titti, F., Bruno, C., Verani, P. and Pasquini, P. 667
Evaluation of enzyme immunoassay (EIA) a a screening method for hepatitis B markers in an open population
McCready, J. A., Morens, D., Fields, H. A., Coleman, P. J., Kane, M. and Schatz, G. 673
High prevalence rates of antibody to three sandfly fever viruses (Sicilian, Naples and Toscana) among Cypriots
Eitrem, R., Stylianou, M. and Niklasson, B. 685
Book review 693
Index 695
Notes for Contributors